

Message Text

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DRAFTED BY:LABOR:IKE GOLDEN

APPROVED BY:EUR:D GOOTT

LABOR:G HOLMES

USIA:G CALLOWAY

STATE:E SEGALL

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TO AMCONSUL ZAGREB

INFO AMEMBASSY BELGRADE

UNCLAS STATE 142739

E. O.: 11652: N/A

TAGS: YO

SUBJ: LABOR MISSION ZAGREB FAIR

REF: ZAGREB 395 BELGRADE 3219

WILL POST REVIEW THE DEPARTMENT OF LABOR
TOPICAL OUTLINE WITH LOGAR OF SAFETY INSTITUTE FOR COMMENT
AND /OR ACCEPTANCE ASAP. APPROACH CAN BE BROADENED.
SEMINAR LECTURERS ARE NOW DEVELOPING MOST SOPHISTICATED
LECTURE POSSIBLE ON NOISE, VIBRATION, HEAT AND LIGHT.

NOISY OCCUPATIONAL ENVIRONMENTS

I. PHYSICAL, PHYSIOLOGICAL AND PSYCHOLOGICAL BASES OF
SOUND AND HEARING

A. PHYSICAL SOUND

B. PHYSIOLOGICAL BASES OF HEARING

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C. PSYCHOLOGICAL SOUND

II. UNDESIRABLE EFFECTS OF NOISE

A. DISRUPTIVE TO TASK PERFORMANCE AND COMMUNICATIONS

B. IMPAIRMENT OF HEARING

III. CURRENT AND PROPOSED OCCUPATIONAL SAFETY AND HEALTH REQUIREMENTS FOR WORK IN NOISY ENVIRONMENTS

A. PERMISSABLE NOISE EXPOSURE LEVELS

B. HEARING CONSERVATION PROGRAMS

C. EVALUATION OF HEARING LOSS

IV. DESIGN FACTORS FOR CONTROL OF OCCUPATIONAL NOISE

A. SPECIFICATION, SELECTION AND SUBSTITUTION OF EQUIPMENT PROCESSES AND FACILITIES

B. REDUCTION OF VIBRATION RESPONSE THROUGH DAMPING

C. REDUCTION OF TRANSMISSION THROUGH VIBRATION ISOLATION

D. ABSORPTION OF AIRBORNE SOUND ENERGY

E. INTAKE AND EXHAUST SILENCERS

F. INDIVIDUAL PERSONAL PROTECTIVE EQUIPMENT

OCCUPATIONAL VIBRATION

I. PHYSICAL BASIS OF VIBRATION

A. DEFINITIONS AND CHARACTERIZATION OF FORCES

B. METHODS AND INSTRUMENTATION

II. PHYSICAL CHARACTERISTICS OF THE BODY

A. ANATOMICAL ASPECTS

B. PHYSICAL AND MECHANICAL TRANSMISSION CHARACTERISTICS

III. HUMAN RESPONSE TO VIBRATION

A. WHOLE BODY VIBRATION

B. SEGMENTAL VIBRATION

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IV. HUMAN TOLERANCE CRITERIA FOR VIBRATION EXPOSURE

V. CONTROL OF VIBRATION HAZARDS

HOT OCCUPATIONAL ENVIRONMENT

I. PSYCHOMETRY AND MEASUREMENT OF THERMAL ENVIRONMENT

- A. AIR TEMPERATURE, HUMIDITY AND AIR VELOCITY
- B. THERMAL RADIATION

II. THERMAL INDICES OF CURRENT INTEREST

- A. EFFECTIVE TEMPERATURE
- B. HEAT STRESS INDEX
- C. WET BULB GLOBE TEMPERATURE

III. PHYSIOLOGICAL RESPONSE OF MAN WORKING IN THE HEAT

- A. HEAT BALANCE EQUATIONS PLURAL
- B. THERMO REGULATORY SYSTEMS
- C. HEAT INDUCED ILLNESS

IV. CURRENT AND PROPOSED OCCUPATIONAL SAFETY AND HEALTH
REGULATIONS FOR WORK IN HOT ENVIRONMENTS

- A. REQUIRED THERMAL MEASUREMENTS
- B. WORK PRACTICES
- C. MEDICAL AND MONITORING REQUIREMENTS
- D. THRESHOLD LIMIT VALUES
- E. PROCESS HEAT VS. CLIMATIC HEAT

V. DESIGN FACTORS FOR CONTROL OF OCCUPATIONAL HEAT

- A. ENGINEERING CONTROLS FOR RADIANT AND CONVECTIVE HEAT LOADS
- B. WORK SCHEDULES AND ADMINISTRATIVE CONTROLS
- C. CLOTHING AND PERSONAL PROTECTIVE EQUIPMENT

LIGHTING: QUALITY, QUANTITY AND PERFORMANCE

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THE PROCESS OF VISION

ASPECTS OF LIGHTING

QUANTITATIVE ASPECTS
UNITS AND DEFINITIONS
SIZE RATIO AND FACTORS AFFECTING VISIBILITY OF OBJECTS
EFFECTS OF AGE
EYE STRAIN AND FATIGUE

QUALITATIVE ASPECTS
DISTRIBUTION OF LUMINANCE
GLARE AND ITS AVOIDANCE
DIRECTION OF LIGHT

COLORED LIGHT

RECOMMENDED LEVELS OF LIGHTING

CONTROVERSY OVER LIGHT INTENSITIES

CHANGES OF RECOMMENDED LIGHTING OVER TIME

LIGHT INTENSITY AND AND PERFORMANCE

NEW APPROACHES ADOPTED BY CIE

SPECIAL PURPOSE LIGHTING

DIFFERENT METHODS AVAILABLE

EXAMPLES OF SPECIFIC PROBLEMS

BIO-DATA MISSION MEMBERS

DR. JERRY D. RAMSEY - AGE 39, PH.D TEXAS TECH, B.S. AND M.

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WORK SHOPS FOR WESTERN ELECTRIC CO., UNIVERSITY OF MICHIGAN,
SANDIA CORP., CURTIS WRIGHT, FELLOWSHIPS NATIONAL AERO AND
SPACE ADMINISTRATION ON BIOMECHANICS. PARTICIPATED OR CONDUCTED
RESEARCH ON 16 PROJECTS IN CONJUNCTION WITH UNIVERSITIES ON
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HUMAN ENGINEERING.

MR. MOHAMED AYOUB - AGE 42, PH.D AND M.S., STATE UNIVERSITY
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LUBBOCK MANUFACTURING, WESTERN ELECTRIC, EASTMAN KODAK, INGERSOL
RAND CO. IN BIOMECHANICS AND HEW. MEMBER AND OFFICER,
AMERICAN INSTITUTE OF INDUSTRIAL ENGINEERS. CONDUCTED RESEARCH
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GRANTS. AUTHOR TWENTY-FIVE ARTICLES AND PUBLICATIONS.

DR. RALPH J. VERNON - AGE 53, PH.D, STATE UNIVERSITY OF IOWA;
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DIRECTOR, OCCUPATIONAL HEALTH AND SAFETY INSTITUTE, TEXAS
ENGINEERING EXPERIMENT STATION, TEXAS A AND M UNIVERSITY.
OTHER WORK EXPERIENCES; SOUTHERN MANUFACTURING CO., UNIVERSITY OF
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CONSULTANT TO NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND
HEALTH, U.S.- HEW; OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION,

U.S. DOL; PROFESSIONAL EXAMINATION SERVICE; BOARD OF CERTIFIED SAFETY PROFESSIONALS; VARIOUS AMERICAN MANUFACTURERS; VARIOUS STATE ACTIVITIES. CONDUCTED RESEARCH IN MANY INDUSTRIAL HYGIENE AND SAFETY ENGINEERING PROBLEMS. AUTHOR OF TWO BOOKS AND SEVERAL SIGNIFICANT ARTICLES. EXTENSIVE PROFESSIONAL EXPERIENCE IN INDUSTRY.

DETAILED BIO-DATA OR VITA CONTAINING PUBLICATIONS PROJECTS AIR-POUCHED TODAY. SEMINAR ORGANIZATION AND OTHER DETAILS WILL FOLLOW. ETA OF MISSION SEPT 3. REQUEST HOTEL ARRANGEMENTS FOR MISSION AND GOVT OFFICER. RUSH

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